### Home Learning Booklet



### Knowledge Goals Year 9 Half Term 1

## How to self-test

### Mind mapping

- Mind mapping is simply a diagram to visually represent or outline information.
- Use information gathered from your knowledge goals booklet to create mind maps, make sure to use colour and images, keep writing to the bare minimum.

How to mind map:



Information for parents on knowledge retrieval



### Flash cards

Use your knowledge goals booklet to make flash cards. Write the questions on one side and on the other record the answer. Test yourself or work with a friend to make sure you know all the key information for each topic.

How to mind map:



#### How should students use the Knowledge Goals booklets?

Your Knowledge Goals booklet provide the essential knowledge that you need to learn in each subject this half term. You are **expected to spend one hour a night during the week 'learning' the content**. You will be assessed during lessons using 'low stake' quizzing. Your teacher may choose to set you additional homework.

#### How can parents support?

- Read through the organiser with your child if you don't understand the content then ask them to explain it to you 'teaching' you helps them to
  reinforce their learning.
- Test them regularly on the spellings of key words until they are perfect. Get them to make a glossary (list) of key words with definitions or a list of formulae.
- Read sections out to them, missing out key words or phrases that they have to fill in. Miss out more and more until they are word perfect.

## Subject Index

Suggested Homework Schedule (1 hour of independent study per night).

To help you get organized, we have planned out your weekly home learning to cover all subjects. You may choose to create your own version:

### Week A

Day Subject 1 (20mins) Subject 2 (20mins)		Subject 2 (20mins)	Subject 3 (20mins)
Monday	Art	English Language	Physics
Tuesday	Biology	Technology	Maths
Wednesday	Chemistry	Spanish	Music
Thursday	Computer Science	Geography	RS
Friday	Design Technology	History	PE

#### Week B

Day	Subject 1 (20mins)	Subject 2 (20mins)	Subject 3 (20mins)
Monday Drama Pers		Personal Development	Teir 2 Vocab
Tuesday	Maths	English	Physics
Wednesday	Chemistry	English	Music
Thursday	Teir 2 Vocab	Maths	Biology
Friday			

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Art	6
Biology	8
Chemistry	10
Computer Science	12
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English Language	16
Food technology	17
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Materials	25
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Subject

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## Literacy Tier 2 Vocabulary

These words are all 'tier 2' words; in other words, they are seen as 'academic vocabulary' and if you know them, can understand them and use them, you will do better in your exams and be able to communicate more precisely and effectively in life.

#	Key word	Definition
1	Justify/justification	
2	Analyse	
3	Context	
4	Infer/inference	
5	Compare/compari	
	son	
6	Imply/implication	
7	Annotate	
8	Exemplify	
9	Consequence	
10	Evaluate	

### Literacy Tier 2 Frayer Model

#### examples



Have a go at creating a Frayer Model for each of the 6 tier 2 words from this term (blank templates are at the back of the booklet for you to complete this activity).

### Art year 9

Colour theory is the art and science of using colour. It covers how humans perceive colour (both physically and psychologically), how colours mix, match, and contrast with one another, and the messages that colours communicate. Colour theory is based on the colour wheel and its geometry, and it provides practical guidance for colour mixing and colour application in visual arts and design

The colour wheel is a wheel with 12 colours surrounding it. The three primary colours are placed in a triad, and the rest of the colors fill in around them, as they all come from the three primary colors.

The secondary colours fill in between the two primary colors that create them.

The last six colours are the intermediate colours, or the tertiary color previously mentioned. These colours comes\ from mixing a primary colour with an adjacent secondary colour (for example, blue and violet mixing to create blue-violet). These new colours are placed between the primary and secondary colour. All of these colours together create a 12 colour wheel which can be used to visualize color matches, comparisons, as reference on how to mix different colors, and more.

			1
The	The	The	
Primary Colors	Secondary Colors	<b>Tertiary Colors</b>	1
			1
			~
			1
			1
Primary colors, according to traditional color theory, cannot be formed by mixing any other color.	Secondary colors are the combination of 2 primary colors.	Tertiary colors combinations of 1 primary and 1 secondary color.	0

#### **Contrasting colors**

Colours opposite each other on the colour wheel. For example: red and green. These two colours are contrasting, and each of them pops and is highly noticeable to the eye against the other.

#### Harmony

A combination of colours that lets the eye travel smoothly between them with no sharp contrasts catching the eye. Colour harmony can also refer to a colour scheme — any given arrangement or combination of colors. **Undertone** 

A color's undertone is a hint of a different color present in the colour. This helps to make the colour a different hue than its mass tone. For example, the undertone of olive green is yellow.





### Knowledge Goals: Art

Key words	Definition
Composition	The arrangement of elements within an art work
Value	Determines the lightness or darkness of a colour
Tone	( similar to value) describes how light or dark something is
Arrangement	A set up of components
Observational	An active acquisition of information from a primary source) eg drawing or painting from life )
Experiment	To investigate, try something out. (ideas, process or materials)
Refine	Make changes to improve
Shading	Application of tonal value to a drawing( usually using pencil)
Texture	The feel, appearance or consistency of a surface or substance
Blending	The action of mixing or combining things together eg blending one tone into another

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•••••
•••••
•••••
•••••

Notos

### Knowledge Goals: Biology – Cell structure

Animal cell		Plant cell
Cell	toplasm lucleus bosome chondrion membrane	
	Chloroplast	Vacuole Cell wal

Specialised Cell	How structure relates to function		
Charm call	Acrosome contains enzyme to break into egg; tail to swim; many mitochondria to		
Sperin Cen	provide <b>energy</b> to swim.		
Nerve cell	Long to transmit electrical impulses over a distance.		
Muselo coll	Contain protein fibres that can contract when energy is available, making the cells		
muscle cell	shorter.		
Root hair cell	Long extension to increase surface area for water and mineral uptake; thin cell wall.		
Xylem cell	Waterproofed cell wall; cells are hollow to allow water to move through.		
Phloom coll	Some cells have lots of mitochondria for active transport; some cells have very little		
	cytoplasm for sugars to move through easily.		

#### Root hair cell



#### Motor neurone



Sperm



			ryotic	Prokaryotic
Cell Structure	Function	Animal Cells	Plant Cells	Bacterial Cells
Nucleus	Contains genetic information that controls the functions of the cell.	Y	Y	
Cell membrane	Controls what enters and leaves the cell.	Y	Y	Y
Cytoplasm	Where many cell activities and chemical reactions within the cell occur.	Y	Y	Y
Mitochondria	Provides energy from aerobic respiration.	Y	Y	
Ribosome	Synthesises (makes) proteins.	Y	Y	Y
Chloroplast	Where photosynthesis occurs.		Y	
Permanent vacuole	Used to store water and other chemicals as cell sap.		Y	
Cell wall	Strengthens and supports the cell. (Made of cellulose in plants.)		Y	Y
DNA loop	A loop of DNA, not enclosed within a nucleus.			Y
Plasmid	A small circle of DNA, may contain genes associated with antibiotic resistance.			Y



Microscopy		Orders of Magnitude			
Magnification	The degree by which an object is <b>enlarged</b> .	Unit Prefix	Size in metres	Standard Form	
Magnification	size of real object	Centimetre (cm)	0.01m	10 <sup>-2</sup> m	
Resolution	The ability of a microscope to <b>distinguish detail</b> .	Millimetre (mm)	0.001m	10 <sup>-3</sup> m	
Light microscope	Basic microscope with a maximum magnification of 1500x. Low resolution.	Micrometre (µm)	0.000001m	10 <sup>-6</sup> m	
Electron microscope	Microscope with a much <b>higher magnification</b> (up to 500 000x) and resolving power than a light microscope. This means that it can be used to study cells in much finer detail.	Nanometre (nm)	0.00000001m	10 <sup>-9</sup> m	

## Knowledge Goals: Biology – Cell structure

		Notes:	
#	Key word	Definition	
1	prokaryotic cell	These cells do not contain membrane bound organelles such as a nucleus and mitochondria	
2	eukaryotic cell	Cells of animals, plants and fungi are called eukaryotic cells, these have a nucleus	
3	organelle	A specialised unit within a cell which performs a specific function	
4	nucleus	Organelle which contains genetic material (DNA)	
5	cell membrane	Its structure is permeable to some substances but not to others	
6	mitochondria	The organelle where most energy is released in respiration	
7	resolving power	The ability to see greater detail in an image	

### Knowledge Goals: Chemistry – Atomic structure

What is an atom?		Atomic symbols – found on the periodic table			History of the atom		
<ul> <li>Atoms are the building blocks of all substances. They have a radius of 1 x 10<sup>-10</sup> m (they are very amall)</li> </ul>					John Dalton	Everything is made of atoms	
<ul> <li>Small).</li> <li>An atom has a central nucleus made up of protons and neutrons.</li> <li>The nucleus is surrounded by electrons arranged in shells.</li> </ul>			4 He Helium	Mass number The number of protons plus neutrons in the nucleus		JJ Thomson	Plum pudding model - sphere of positively charged matter with electrons embedded in it.
Electron Shells			2	Atomic Number The number of protons in the nucleus ons = Mass number – Atomic number rons = number of protons		Ernest Rutherford	'Gold foil' experiment showed that atoms are composed of mostly empty space, with a tiny, dense and positively charged nucleus.
Proton     Oneutron     Carbon Atom		Electrons Electrons are four the nucleus. Electron arranger	nd in <b>energy levels</b> (shells) orbiting nents follow a set of rules:		Neils Bohr	Discovered that electrons are in different energy levels (shells) around the nucleus.	
Sub-atomic particle	Relative Mass	Relative Charge		<ul> <li>1<sup>st</sup> shell holds 2 electrons</li> <li>2<sup>nd</sup> shell holds 8 electrons</li> </ul>		John Chadwick	Proved the existence of neutrons.
neutron	1	0 (neutral)	Ca	3 <sup>rd</sup> shell hold 8 electrons     4 <sup>th</sup> shell holds 18 electrons			
proton	1	+1 (positive)			Γ	Isotope	aumber 35 37
electron	0	-1 (negative)		Electrons always fill from the middle shell and work outwards.		of protons but a different number of neutrons.	t CI CI I7

# Knowledge Goals: Chemistry – Atomic structure

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	element	A substance made from only one kind of atom; it cannot be broken down chemically into any simpler substance	
2	compound	A substance made from two or more elements chemically bonded together	
3	nucleus	The small dense region at the centre of the atom made from protons and neutrons	
4	proton	A particle in the nucleus of the atom with a positive charge	
5	neutron	A particle in the nucleus of the atom with no charge	
6	electron	A subatomic particle with a negative charge	
7	isotope	An atom with the same number of protons but a different number of neutrons	
8	mass number	The number of protons added to the number of neutrons in the nucleus of an atom	
9	atomic number	The number of protons in the nucleus of an atom	
10	electronic structure	A set of numbers to show the arrangements of electrons in their shells	
11	shell	An area around the nucleus of an atom where electrons are found	

## Knowledge Goals: Computer Science – Blender

#### **About Blender**

Blender is the free and open source 3D creation suite. It supports the entirety of the 3D pipeline—modeling, rigging, animation, simulation, rendering, compositing and motion tracking, video editing and 2D animation pipeline." Learn more about blender at <u>blender.org</u>

#### **Opening Blender**

This is what you will see when you first open Blender. This is called the 3D Viewport. This is where you will spend the majority of your time in Blender when you first get started. On the **lefthand side you have a small toolbar**. In the **center is your scene**. At the **bottom of the page is your timeline**. On the top right hand side you have a list of all the objects in your scene. This is called the Outliner. This is where you can name the objects in your scene. On the **bottom right-hand side you will find your properties panel**. This is where the majority of the settings can be found.



To Your Scene (Shortcut: Shift + A) There is a menu at the top of the screen that has an "Add" button. This opens a dropdown menu. Most features that you will use most often can be found under mesh.

**Adding Objects** 

#### Layout Modeling Sculpting UV Editing Texture Pal 12. Global Add Object 🖪 🗌 Plane V Mesh ) Curve • 🗍 Cube 7 Surface 🔮 Metabali . DUV Sphere a Text 3 Ico Sphere ທ໌ Grease Penci \* Armature # Lattice 🖽 Grid Empty P Monkey M Image

#### **Moving Objects**

in Blender The tools for moving objects in blender can be found on the left-hand-side toolbar. Selecting the button third from the top will allow you to move your object along the three axes (x,y,z). When you select this button, your object will look like this:



#### **Rotating Objects**

Underneath the move icon is the rotate icon. You can select any of the colored lines to rotate along an axis. Right click or hit escape to undo your rotation. (Shortcut: R)



#### Scaling objects

Underneath the rotate button is the scale option. It will make your cube look like this>>: 3 These handles work the same as the move handles. You can use them to drag along the x, y, z axises



### Moving Around in Blender

By holding down the middle mouse key, you can orbit the plane and rotate your viewpoint of the workspace. 2 By pressing shift + middle mouse button, you can pan across the plane. If you are on a laptop without a mouse you can also use this: (Which can be found in the top right hand corner of the workspace.)



Blender tutorials



# Knowledge Goals: Computer Science – Blender

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	Render	the process of getting the final animation scenes or pieces out of the computer in the format of a sequence of individual frames. The aim of rendering is to generate a video clip.	
2	Tween	only requires you to pick the important locations, the keyframes and the computer works out the rest (called tweening).	
3	Stop frame	Manually animating every frame of the animation .	
4	Vertex	A point where one or more edges meet	
5	Face	A surface made up of three or more sides	
6	Edge	A line connecting two vertices	
7	Parenting	Attaching objects together so both can be animated simultaneously	
8	Organic modelling	Organic modelling is creating 3D models of living creatures such as people or animals. Hard surface modelling is usually focused on inorganic objects such as buildings or furniture.	
9	Subdivision	Splitting the faces of a mesh into smaller faces, giving it a smooth appearance	

# Knowledge Goals: Drama Physical Theatre

What is Physical Theatre? Physical theatre is using movement and your body as the primary focus for storytelling.

Where did it originate? Jaques LeCoq was a big influence on Physical Theatre and believed that movement could be just as powerful as spoken word. His specialist style was *Commedia Del Arte.*  **Essence machines:** repeated sequence of movements with one-line noises in sequence. **Tension States:** the actor is given an emotion to act out, using a scale of 1-10 to show exaggeration and heightened gesture.



At GCSE you must have knowledge of at least four different styles of theatre. We look at Physical Theatre as it helps to build the foundations for non-naturalistic Drama. It teaches selfdiscipline and ensemble collaborative practice.

More information can be found here: <u>https://www.bbc.c</u> <u>o.uk/bitesize/guides/ztf</u> <u>k6sg/revision/1</u>

### Some key features include:

Mime, ensemble work, movement, dance sequence, repeated gesture, canon, unison, round-by through, precise gestures and movement, lifts, puppetry and transitions. Some key companies that use this style: Frantic Assembly, DV8, PUSH, Out of Balanz



## Knowledge Goals: Drama Physical Theatre Choreo

	Half Term 1: Tier 3 Vocabulary				
	Key word	Definition			
1	Physicality	Using the body in performance. Understanding how to move as character and interact with the environment.			
2	Ensemble	Collective group of actors, often likened to a Greek Chorus – they represent societal viewpoints and appear as teaching the audience a clear message or goal.			
3	Canon	Repeating a gesture or movement one by one in a sequence.			
4	Unison	Repeating or speaking as one. The ensemble might speak in unison for impact on the audience. It makes them listen.			
5	Transitions	These are the moments in between scenes/movement. It is the changing from one scene to another. It often adds fluidity to a performance.			
6	Tension	A feeling in the body, where the muscles tighten and contract to create mood or atmosphere on stage.			

**Choreography:** is a series of dance steps, movement or sequence created for performance. It is purposeful movement.

**Movement:** to create narrative using the body and suggest meaning to an audience, movement can portray abstract matter such as emotions, fears, dreams and nightmares. It is not always necessarily human.

Abstract: thinking outside of the box, a character or item may have a deeper meaning based on representation, no clear meaning – it could have several.

# Knowledge Goals: English Lang

TEXT SELECTION	CORE ASSESSMENT SKILLS AND WHAT STUDENTS ARE AIMING TO BE ABLE TO WRITE:
<ul> <li>The Landlady by Roald Dahl</li> </ul>	(ALT) Application of language and structural techniques
<ul> <li>The Hand by Guy de Maupassant</li> </ul>	(EP) Effective Paragraphing
Stories: Then & Now	(SV) Sentence Variety
<ul> <li>Stories from Two Centuries</li> </ul>	(AV) Ambitious Vocabulary
<ul> <li>Dr Jekyll &amp; Mr Hyde by Robert Louis Stevenson</li> </ul>	(MA) Creation of mood and atmosphere
<ul> <li>Kissing the Witch: Old Tales in New Skins by Emma Donoghue</li> <li>The Red Room by HG Wells</li> <li>The Monkey's Paw by WW Jacobs</li> <li>The Castle of Otranto by Horace Walpole</li> <li>The Pit and the Pendulum by Edgar Allen Poe</li> <li>Lamb to the Slaughter by Boald Dable</li> </ul>	Naturally, the gallery was empty on Wednesdays. The storm outside was wild and treacherous; ink-black clouds infested the skies. The watercolour hues in the West Wing twitch quietly as the windows start to shiver. Monet and Munch are more twitchy than the rest; they have good reasons to be more fearful. "You" someone utters in a distant corridor. Time is up. The dimmed lights flicker like a shrivelled candle burned to the wick: the Natural Art Gallery was about to change forever.
<ul> <li>Wide Sargasso Sea by Jean Rhys</li> </ul>	

# Knowledge Goals: Food Technology



## Knowledge Goals: Food Technology

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	Cross- Contamination	When bacteria is unintentionally transferred from one food to another, with harmful effect such as cross-contamination between raw and cooked food	
2	Intolerances	A food intolerance is when you have difficulty digesting certain foods or ingredients in food. It's not usually serious, but eating the food you're intolerant to, can make you feel unwell.	
3	Environmental Health Officer	Environmental health officers make sure people's surroundings are safe, healthy and hygienic. They can enforce food safety legislation, issue improvement notices, and shut businesses down if they do not meet standards.	
4	Excess and deficiencies of nutrients	Excess: to consume too much of a specific nutrient Deficiency: to consumer too little of a specific nutrient	
5	Food allergies	A food allergy is when the body's immune system reacts unusually to specific foods. Although allergic reactions are often mild, they can be very serious.	
6	Food miles	The distance in which food has travelled from its origin to the plate 'from farm to fork'	

### Knowledge Goals: French

e joue au badminton/au basket au billard/au foot/au golf au hockey/au rugby au tennis/au volley à la pétanque	Hobbies I play badminton/basketball snooker/billiards/football/golf hockey/rugby tennis/volleyball French bowls
aux cartes/aux échecs	cards/chess
du piano/du saxophone	the piano/the saxophone
du violon	the violin
de la batterie/de la guitare	the drums/the guitar
de l'accordéon (m)	the accordion
de l'harmonica (m)	the harmonica
e sport	Sport
e fais	I
du footing	go jogging
du trampoline	do trampolining
du vélo	go cycling
de la boxe	do boxing
de la danse	go dancing
de la danse	go cuimming
de l'équitation	go swinning
de l'éscalade (f)	go climbing
de l'escrime (f)	do fencing
des randonnées (f)	go hiking
Je fais ça depuis	I have been doing that for
six mois/deux ans	six months/two years
<b>es films</b>	<b>Films</b>
ine comédie	a comedy
in western	a Western
in film fantastique	a fantasy film
in film d'action	an action film
in film d'arts martiaux	a martial arts film
un film d'aventure	an adventure film
un film d'horreur	a horror film
un film de gangsters	a gangster film
un film de science-fiction	a science-fiction film

#### Sur mon téléphone portable/ ma tablette, ...

#### je crée des playlists je télécharge de la musique je regarde des clips vidéo je joue à des jeux je fais des recherches pour mes devoirs je fais des achats

j'écris des articles pour mon blog je lis mes e-mails je vais sur des réseaux sociaux je prends des photos je mets mes photos sur Instagram ou Snapchat À mon avis, c'est ... génial/très pratique/indispensable

#### Acheter des billets

j'écris des messages

- Qu'est-ce qu'il y a au cinéma? start? Je peux vous aider? Je voudrais deux billets pour ... Pour quelle séance?
- Pour la séance de 19 heures. Ca coûte combien? Le tarif réduit, c'est 1 la place.

Les expressions de

tous les jours

tous les soirs

eures. euros	For the screening at 7 p.m. How much does it cost? The reduced price is 14 euro per seat.
équence	Frequency expressions every day every evening every Saturday

#### tous les samedis une fois par semaine deux fois par semaine souvent de temps rarement

#### On my phone/tablet ...

I create playlists
I download music
I watch music videos
I play games
I do research for my homework

I buy things I write messages

I write posts for my blog I read my emails I go onto social media sites I take photos I put my photos on Instagram or Snapchat In my opinion, it's ... great/very practical/essential

**Buying tickets** 

- What's on at the cinema? La séance commence à quelle heure? At what time does the screening Can I help you? I would like two tickets for ... For which screening?

4 euros	The reduced price is 14 eur per seat.	
fréquence	Freauency expressions	
	every day every evening	

### every Saturday once a week twice a wook

	LWICE U WEEK
	often
en temps	from time to time
	rarely

Les opinions	<b>Opinions</b>
Je trouve ça	I find that
cool/génial	cool/great
passionnant/super	exciting/super
ennuyeux/nul	boring/rubbish
stupide	stupid
Parler de sport	<b>Talking about sport</b>
Je préfère les sports individuels.	I prefer individual sports.
Je préfère les sports d'équipe.	I prefer team sports.
Je trouve ça	I find it/that
rigolo/facile/rapide	fun/easy/fast
Ça me fait du bien.	It does me good.
Ça me détend.	It relaxes me.
Ça booste le moral.	It boosts my/your mood.
C'est bon pour le corps et	It's good for the body and
le mental.	the mind.
Quand je fais ça,	When I do/I'm doing it,
je respire	I breathe
j'oublie mes soucis	I forget my worries
J'aime et je n'aime pas	I like and I don't like
Ma passion, c'est	My passion is
le cinéma/le sport/la musique	the cinema/sport/music
J'aime/J'adore/Je préfère	I like/love/prefer
Je n'aime pas/Je déteste	I don't like/hate
le foot/iouer au foot	football/playing football

la lecture/lire

#### nusic

otball reading la photographie/prendre des photos photography/taking photos

# Knowledge Goals: French

### Half Term 1: Tier 3 Vocabulary

1	SSC	Symbol-Sound Correspondence: the sound that letters	
•	000	or combination of letters make in a language	Notes:
2	cognate	A cognate is a word which looks the same or very similar to a word in English. E.g.: le cinéma, le football	
3	connective	A word which links sentences together. E.g.: and, but	
4	Opinion verb/ phrase	A verb or a phrase which you use to give an opinion: I like, I dislike, in my opinion etc	
5	Justifier	A way of giving a reason, a justification of an opinion. I like because it is	
6	qualifier	A word which changes the intensity of an adjective: quite, very, extremely	
7	adjective	A describing word: big, small, green, interesting, amusing etc	
8	Time phrase	A phrase used to say when something is happening: normally, on Mondays, yesterday, next weekend	
9	Tenses	Past, present, future, conditional	
10	Infinitive	A verb as you find it in the dictionary: to play, to eat. This is the form of the verb when it is not used with a pronoun (I, he, she)	

![](_page_20_Picture_0.jpeg)

### Knowledge Goals: Geography Globalisation '? Globalisation

Organization (WTO) was held

of

Washington. This meeting was protested by

thousands of people opposed to globalisation.

The protests turned violent. Hundreds of people

confrontations with police. Many buildings were damaged. The incident is sometimes called "the

Many were

the

World

in

injured

Trade

in

Seattle,

![](_page_20_Picture_2.jpeg)

#### Suez Canal blocked

The 224,000-tonne and 400m (440-yard) long container ship Ever Given ran aground in the Suez Canal Tuesday March 23, blocking vessels passing through one of the world's most important waterways.

![](_page_20_Figure_5.jpeg)

This link will help you find out more about why the Suez canal was blocked.

https://www.youtube.com/watch?v=C06Q

#### <u>4Mft0yQ</u>

![](_page_20_Picture_9.jpeg)

![](_page_20_Picture_10.jpeg)

How many people did Greta Thunberg Impact? Greta Thunberg has attracted international attenti since her lone demonstration outside the Swedish Parliament in August 2018. Her "school strike for the climate" has now grown into a global movement that has brought more than 10 million people onto streets worldwide to demand action on climate change.

#### So what is 'globalisation'? More wealth Cheap air trade fliahts and between 'globalisation' is the The travel countries process by which the internet world is becoming connects increasingly The people Food and interconnected arowth of goods that (through trade, travel a global and shared cultures) cross culture continents

#### How can **globalisation** be measured?

![](_page_20_Picture_14.jpeg)

Further revision:

![](_page_20_Picture_16.jpeg)

#### Why did the river in Tongxin (China) turn black? The factory workers China has few laws It is mostly rich Huge electronics Around 75% of Chinas When a country joins in Tongxin are poorly about how waste countries such as the factories have been rivers are polluted the World Trade UK and USA that buy Organisation (WTO) it paid from factories should built in Tongxin in the last 25 years smart phones and he disposed of becomes easier to tablets trade with other countries The number of The average iPhone 6 The villagers in The Chinese Children in Tongxin 80% of the worlds costs around £150 to people with cancer Tongxin have been government has used to swim in the smart phones and has increased make and is sold for told to stay silent by river in the summe tablets are made in admitted the massively since it over £500 in the UK the Chinese existence of "cancer China ioined the WTO in government and have villages" caused by been threatened with toxic waste from factories Harmful chemicals Farmers used to The phones made in The factories make Women used to wash Apple pays a factory are used in the allow their animals to Tongxin are shipped circuit boards, touch in Tongxin to rice in the river production of all over the world manufacture its before cooking it in drink from the river screens, smartphones electronic gadgets iPhone 5 and 6 their homes and tablets such as smart phones phones as well as iPads

Key: Causes Effects

Background (some of these could be causes - if particular link are made)

**Battle in Seattle** 

Battle in Seattle."

were

The 1999 meeting

arrested.

![](_page_21_Picture_0.jpeg)

### Knowledge Goals: Geography Globalisation

![](_page_21_Picture_2.jpeg)

		Notes:	
#	Key word	Definition	
1	Globalisation	The process by which the world is becoming increasingly interconnected (through trade, travel and shared cultures)	
2	Trade Bloc	A trading bloc is a type of intergovernmental agreement, where regional barriers to international trade, (tariffs and non-tariff barriers) are reduced or eliminated all together, allowing them to trade with each other as easily as possible.	
3	TNC	Trans National Company - Companies that operate in several countries.	
4	Trade	The buying and or selling of goods (between countries)	
5	Manufacturing	The large scale production of goods in factories for trading	
6	Labour	Physical work done in exchange for money	
7	Consumer	A person who uses or consumes something in exchange for money	
8	Transport	Used to move people or goods around the world	
9	Kuznet Curve	Shows the relationship between economic growth and environmental quality.	

![](_page_22_Figure_0.jpeg)

disagreed with his rule.

**Arguments against** – it allowed Italy to take Abyssinia, it allowed the fascist powers to intervene in Spain, it resulted in the destruction of a successful democracy in

![](_page_22_Picture_3.jpeg)

### Knowledge Goals: History The Interwar Years

#	Key word	Definition	Notes:
1	Appeasement	The policy of preventing further wars by giving one side a little bit of what they want.	
2	Communism	A political idea where all property is public, and people are given things by the government according to their needs. Often is ruled by a dictator.	
3	Democracy	A system of government by the whole population, who get to choose who represents them and governs them.	
4	Dictatorship	A system of government where only one person is in charge. Normally, elections don't happen in a dictatorship, but if they do you can only vote for the person in power.	
5	Economic	Relating to the use of money in a country	
6	Fascism	A political idea that has a dictator in charge, who has complete power and removes all opposition. The race of the nation is seen as under threat in a fascist government	
7	Great Depression	The worst economic period in the history of the world. It lasted from 1929 to 1939. It began after the stock market at Wall Street crashed in October 1929.	
8	Nationalism	A loyalty towards one's nation that places it above others.	
9	Socialism	The belief that the ways of making money and wealth should be controlled by the workers.	
10	Treaty of Versailles	The most important peace treaty signed at the Paris Peace Conference, signed on 28 June 1919.	

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### Knowledge Goals: Materials 1 - Passive Amplifier

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**Health and Safety** It is really important we ASSESS the RISK and **REDUCE the RISK of Injury by LISTENING To** the TRAINING and following the correct PPE usage

- Hair must be tied up in the workshop
- Blazers and ties must be removed
- Jewellery must be removed
- Only use machines you have been told to use and have been demonstrated to you
- Ensure you know where the emergency stop button is
- Do not eat or drink in the workshop
- No running

#### **Two-point**

perspective - This shows an object from the side with two vanishing points. It gives the most realistic view of a product as it shows the item edge on, as we would see it. It is often used to produce realistic drawings of an obiect.

![](_page_24_Figure_11.jpeg)

The loudness of a sound is a measure of the amplitude of the wave. The greater the amplitude, the louder the sound.

![](_page_24_Figure_13.jpeg)

cheaper to buy, and are considered a

sustainable material.

### Knowledge Goals: Materials 1 - Passive Amplifier

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	Amplification	the process of increasing the volume of sound,	
2	Etch	To engrave into a design, which cuts the surface but not all the way through the material	
3	2-point perspective	This shows an object from the side with two vanishing points. It gives the most realistic view of a product as it shows the item edge on, as we would see it. It is often used to produce realistic drawings of an object.	
4	Half-round file	a file made flat on one side and convex on the other for filing curves	
5	Round file	A file that has a round section, this is used for It is used for rubbing or finishing holes of small diameter	
6	Flat file	A flat file is referred to as a file which is of a rectangular cross-section in shape	
7	Coping saw	a saw with a very narrow blade stretched across a D-shaped frame, used for cutting curves in wood.	

### Knowledge Goals: Materials 1 - Sweet Dispenser

![](_page_26_Figure_1.jpeg)

Health and Safety It is really important we ASSESS the RISK and REDUCE the RISK of Injury by LISTENING To the TRAINING and following the correct PPE

usage

- Hair must be tied up in the workshop
- Blazers and ties must be removed
- Jewellery must be removed
- Only use machines you have been told to use and have been demonstrated to you
- Ensure you know where the emergency stop button is
- Do not eat or drink in the workshop
- No running

**Recycle** - Take an existing product that has become waste Sustainability and re-process the material for use in a new product. Reuse - Take an existing product that's become waste and use the material or parts for another purpose, without processing it. Reduce - Minimise the amount of material and energy used during the whole of a products life cycle. Refuse - Don't accept a product at all if you don't need it or if its environmentally or socially unsustainable. Rethink - Our current lifestyles and the way we design and R S make. **Repair** - When a product breaks down or doesn't function ပ properly, fix it.

### Knowledge Goals: Materials 1 – Sweet Dispenser

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	Aesthetics	The look of a product e.g. the colour, theme, texture, finish etc	
2	Sustainability	Sustainability means doing something that will cause little or no damage to the environment and will be able to continue for a long period of time.	
3	Plan view	the appearance of an object as seen from above	
4	Dimensions	A dimension is a measurement such as length, width, or height. If you talk about the dimensions of an object or place, you are referring to its size and proportions	
5	Adhesives	a substance used for sticking objects or materials together e.g glue	
6	Mechanism	a system of parts working together in a machine; a piece of machinery	
7	Orthographic projections	Orthographic projections are working drawings in either a first or third angle projection and show each side of a design without perspective, ie a 2D drawing of a 3D object. They are used to show an object from every angle to help manufacturers plan production.	

![](_page_28_Picture_0.jpeg)

ING DISORDERS AND MENTAL ILLNESSES COMMONLY OCCUR TOGETHER.

![](_page_28_Picture_2.jpeg)

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69%·@

OF PATIENTS WITH

![](_page_28_Picture_4.jpeg)

He is controlling,

and hits me when he's

angry. I am afraid he'll

kill me if I leave.

PEOPLE WITH AN EATING DISORDER ALSO HAVE

She verbally and

physically abuses me

and if I tell anyone

I worry it won't be

taken seriously.

She gaslights

me constantly,

and spreads lies

about me.

# Knowledge Goals: PDEV

### Healthy

A healthy relationship means both you and your partner are:

- Communicating
- Respectful
- Trusting
- Honest
- Equal
- Enjoying personal time away from each other
- Making mutual choices
- Economic/financial partners

They body-shame

and undermine me

in front of our

friends.

#### Unhealthy

You may be in an unhealthy relationship if your partner is:

- Not communicating
- Disrespectful
- Not trusting
- Dishonest
- Trying to take control
- Only spending time together
- Pressured into activities
- Unequal economically

#### Abusive

Abuse is occurring in a relationship when one partner is:

- Communicating in a hurtful or threatening way
- Mistreating
- Accusing the other of cheating when it's untrue
- Denying their actions are abusive
- Controlling
- Isolating their partner from others

#### Signs you may be in an Abusive Relationship

- Acts in ways that scare you
- Discourages you from seeing friends and family
- Extreme jealousy of friends or time spent away
- You can never do anything right!!
- Prevents you from making your own decisions
- Insults or shames you
- Pressures you to partake in sexual activities or drugs and alcohol

![](_page_28_Picture_43.jpeg)

#### CYCLE OF ABUSE **1.TENSIONS BUILD** 2. INCIDENT The abuser creates tension and the The abuser lashes out through survivor's stress builds. ohysical, verbal, psychological or sexual abuse tactics to dominate the survivor. 4. CALM 3. RECONCILIATION Things seem peaceful, The abuser makes excuses or maybe even better than attempts to apologize for before. But often, this the incident. Gaslighting is doesn't last long before common, aka, "Nothing the cycle starts over. happened." Note: The Cycle of Abuse was originally created by psychologist Lenore Walker. The Cycle does not represent all cases of domestic violence. DomesticShelters.org MENTAL MENTAL HEALTH ILLNESS

#### What is Mental Health?

Mental health is a state of well being in which the person realizes his or her own abilities, can cope with the normal stresses of life, can work productively and fruitfully and is able to make a contribution to his or her community.

#### dicators of Good Mental Health

![](_page_28_Picture_48.jpeg)

ive Respect for Self or and Others

Self Confidence Sense of Belonging

Ability to take care Clear of self and others Thinking

> Sense of Well-being and Contentment

Thinking of Harming Yourself of Others

What is Mental Illness?

Mental Illness is defined as a health

condition that affects a person's

thinking, feeling, behavior or

mood. Such conditions may affect

someone's ability to relate to others

Pulling Away from People and Usual Activities

Feeling Numb or Like Nothing Matters

> Feeling Helpless or Hopeless

Experiencing Sever Mood Swings

and function each day.

Indicators of Mental Illness?

Inability to Perform Daily Tasks

# Knowledge Goals: PDEV

		Half Term 1: Tier 3 Vocabulary	Notes:
#	Key word	Definition	
1	Mental heath	like physical health, a measure of how well a person is, just in their mind instead of their body	
2	Eating disorder	a type of illness which affects a person's eating habits in an unhealthy way	
3	Body image	somebody's own impression of how their body looks.	
4	Child Sexual Exploitation	sexual abuse of under 18s through the exchange of sex or sexual acts for drugs, food, shelter, protection, other basics of life, and/or money. Sexual exploitation includes involving under 18s in creating pornography and sexually explicit websites too.	
5	Abusive relationship	a relationship where one person is abusive or controlling of the other. This could be verbally, physically, emotionally, or financially.	
6	UNICEF	The United Nations Children's (emergency) Fund. A charitable organisation to help children around the world.	

# Knowledge Goals: PE

### **Badminton**

- □ Serving I can perform the backhand and forehand serve with accuracy, landing the shuttle in the opponents' service box.
- □ The Clears I know that the clear is a defensive stroke and can be used to slow the pace of the game and regain position on court
- □ The Drop Shot I understand that the drop shot is an attacking shot and why.
- □ The Smash I can hit the shuttle with power and land the shuttle mid court, showing good accuracy.
- □ Net Play I can accurately hit the shuttle low over the net and land close to the net.
- Game Play I know which side of the court to serve from depending on if the score is odd or even.

### 

### Hockey

- □ Ball Control I can use reverse stick at the appropriate times to control the ball.
- Passing I can demonstrate passes at increasing variety, speed and accuracy. On reception I rotate the stick forward to ensure the ball is trapped and available.
- Dribbling I can move at speed with the ball avoiding challenges by changing speed or direction.
- □ **Tackling** I can apply the block tackle effectively and safely in game situations on many occasions.
- □ Game Situations I can organise effective attacking opportunities quickly in free hit situation.

Ball Control – I can control the ball with most body parts with some consistency

Football

- Passing I can occasionally pass the ball accurately using different parts of my foot whilst under *pressure*.
- Defending I can decide whether to commit to a tackle or jockey my opponent.
- Dribbling I can dribble the ball for some distance as long as it's on my stronger side.
- Shooting I can accurately shoot from a moderate distance using different techniques.
- □ Game Situations I move into space in games and communicate with teammates and can maintain *possession* while decision making.

### Netball

- Passing I can effectively pass a ball to a player in a game situation.
- □ Footwork I can demonstrate good use of the footwork rule in a game situation. I can pivot on my landing foot consistently.
- Attacking skills I am able to re-offer under pressure from a defender to create space to receive the ball.
- Defending skills I am able to cleanly intercept a ball with two hands in a small game situation.
- □ Game Situations I am able to demonstrate a basic set play in a game situation with little or no pressure.

### Gymnastics

- Floor I can perform a paired sequence, performing advanced movements showing consistently high levels of control and tension.
- Jumps I can successfully incorporate a variety of jumps to change the level of a sequence.
- ❑ Apparatus I can adapt the apparatus to perform a multi-move sequence using a range of vaults with correct technique.
- Performance I can evaluate another group's sequence, making specific suggestions on how to improve the level of their performance.

![](_page_30_Picture_32.jpeg)

- Rugby
   Evasion/Support Play I can demonstrate principles of attack when to penetrate or out flank. I can support in different formations including 'magic diamond'.
- Passing & Catching I can pass and catch a ball over a longer distance with some accuracy, making decisions on the weight and length of the pass. Developing skills for quick passing to maximise potential overlaps
- □ **Tackling/Defensive Strategies** I can demonstrate the principles of defence, denial of space, pressure, open gate, tackle, cover and regain possession
- Rucks & Mauls I can set up a micro maul or micro ruck if none of the 'continuity' options are possible.
- Game Play I can plan and execute set piece plays from a 'scrum' or 'line out'

# Knowledge Goals: PE

		Notes:	
#	Key word	Definition	
1	Reverse Hit (Tomahawk)	Hit on your reverse side, can be a pass or a shot. Keeps the speed of play up.	
2	Anticipation	The ability to quickly and accurately predict the outcome of an opponent's action before that action completed.	is
3	Disguise	Ability to deceive the opponent with fake movement or passes.	S
4	Line Breaks An attacking player gets through the opponent's defensive line while in possession of the ball.		
	Badminton Footh	Image: Second	

# Knowledge Goals: Physics – Energy + Heating

#### 8 energy stores

![](_page_32_Figure_2.jpeg)

### 4 energy pathways

- Mechanical working a forces does work.
- Electrical working work done by moving charges.
- Heating by particles energy shifted by vibrating particles.
- Heating by radiation energy shifted by electromagnetic radiation.

#### Describing energy shifts in systems

Arm throwing a ball Chemical energy store of the arm is shifted to the kinetic energy store of the ball and arm by a force (mechanical working).

![](_page_32_Picture_10.jpeg)

Descending a roller coaster ride Gravitational energy store of the cars is shifted to the kinetic energy store of the cars by force of gravity (mechanical working).

### Stopping a car

Kinetic energy store of wheels is shifted to the thermal energy store of the brakes by the force of friction (mechanical working).

![](_page_32_Picture_14.jpeg)

#### Heating by particles

- Conduction in insulators (nonmetals) is only caused by passing vibrations from atom to atom.
- Conduction in good conductors (metals) is caused by two processes: collisions between fast moving free electrons and metal ions, and passing vibrations from atom to atom.
- Conduction by collisions between fast moving free electrons is much faster than conduction by passing vibrations from atom to atom.
- Metals are good conductors because they contain free electrons.

![](_page_32_Picture_20.jpeg)

# Knowledge Goals: Physics – Energy + Heating

	Half Term 1: Tier 3 Vocabulary				
#	Key word	Definition			
1	closed system	A system that experiences no net change in its total energy when energy transfers occur within it			
2	conservation of energy	The law that energy can be transferred, stored or dissipated but never created or destroyed			
3	elastic potential	The store of energy that stretched or compressed objects experience			
4	gravitational potential	The store of energy that all mass at a height above the ground has			
5	Kinetic	The store of energy that all moving matter has			
6	thermal conductivity	The higher this value is for a given material, the higher the material's rate of energy transfer via conduction will be			
7	resolution	The smallest change that a measuring device can detect (e.g. a 30 cm ruler graduated in mm can be used to measure lengths to the nearest mm)			

Unit 1 – Powers and Estimatio
-------------------------------

Торіс	Video	Resource
Squares, cubes, roots.	Watch this	Complete this Check your work
Indices	Watch this	Complete this Check your work
**Fractional and negative indices	Watch this	Complete this Check your work
BIDMAS	Watch this	Complete this Check your work
Estimating	Watch this	Complete this Check your work
Standard Form	Watch this	Complete this Check your work
**Standard form Calculations	Watch This And this	Complete this Check your work
**Surds	Watch this	Complete this Check your work
**Error Intervals	Watch this	Complete this Check your work

![](_page_34_Figure_3.jpeg)

**Estimation** 

Estimations are useful – especially when using fractions and decimals to check if your solution is possible.

		U			Topic/Skill	Definition/Tips	Example
Unit 2 - Algobraic M	Janinulation				1. Expression	A mathematical statement written using symbols, numbers or letters,	$3x + 2$ or $5y^2$
Unit Z - Algebraic in	hampulation				2. Equation	A statement showing that <b>two expressions</b> are equal	2y - 17 = 15
Торіс	Video	Resource			3. Identity	An equation that is <b>true for all values</b> of the variables	$2x \equiv x + x$
						An identity uses the symbol: $\equiv$	
Simplifying	Watch this	Complete this			4. Formula	Shows the <b>relationship</b> between <b>two or</b> <b>more variables</b>	Area of a rectangle = length x width or A= $\underline{LxW}$
expressions		Check your work			5. Simplifying Expressions	Collect 'like terms'. Be careful with negatives.	2x + 3y + 4x - 5y + 3 = 6x - 2y + 3 3x + 4 - x <sup>2</sup> + 2x - 1 = 5x - x <sup>2</sup> + 3
Substitution	Watch this	Complete this			6. <i>x</i> times <i>x</i>	$x^2$ and x are not like terms. The answer is $x^2$ not $2x$ .	Squaring is multiplying by itself, not by 2.
		<u>Check your work</u>			$7. p \times p \times p$	The answer is $p^3$ not $3p$	If p=2, then $p^3=2x2x2=8$ , not 2x3=6
Expanding and factorising (single	Watch this	Complete this			8. p + p + p	The answer is 3p not $p^3$	If p=2, then $2+2+2=6$ , not $2^3 = 8$
bracket)		Check your work			9. Expand	To expand a bracket, <b>multiply</b> each term in the bracket by the expression outside the bracket.	3(m+7) = 3x + 21
** Expanding and factorising guadratics	Watch this	<u>Complete this</u> Check your work			10. Factorise	The reverse of expanding. Factorising is writing an expression as a product of terms by 'taking out' a common factor.	6x - 15 = 3(2x - 5), where 3 is the common factor.
			Topic/Skill	Definition/Tips	Example		
** Simplify algebraic	Watch this	Complete this Check your work	1. Quadratic	A quadratic expression is of the form $ax^2 + bx + c$	Examples of quadratic expre $\frac{x^2}{8x^2 - 3x + 7}$	ssions:	
		<u>Oneck your work</u>		where $a, b$ and $c$ are numbers, $a \neq 0$	Examples of non-quadratic e $2x^3 - 5x^2$	xpressions:	
algebraic fractions	Watch this	Complete this Check your work	2. Factorising Quadratics	When a quadratic expression is in the form $x^2 + bx + c$ find the two numbers that add to give b and multiply to give c	$\frac{9x-1}{x^2+7x+10} = (x+5)$ (because 5 and 2 add to give multiply to give 10)	(x+2) 7 and	
**Extension tasks				io gree o and manipy to greet.	$x^{2} + 2x - 8 = (x + 4)($ (because +4 and -2 add to give multiply to give -8)	(x-2) ye+2 and	
			3. Difference of Two Squares	An expression of the form $a^2 - b^2$ can be factorised to give $(a + b)(a - b)$	$x^{2} - 25 = (x + 5)(x)$ $16x^{2} - 81 = (4x + 9)(4x)$	(-5) (4x - 9)	
			4. Solving Quadratics	Isolate the $x^2$ term and square root both sides	$2x^2 = 98$ $x^2 = 49$		
			$(ax^2 = b)$	Remember there will be a <b>positive and a</b> <b>negative solution</b> .	$x = \pm 7$		
			5. Solving Quadratics $(ax^2 + bx = 0)$	Factorise and then solve = 0.	$ \begin{array}{c} x^2 - 3x = 0 \\ x(x - 3) = 0 \\ x = 0 \text{ or } x = 3 \end{array} $		
			6. Solving Quadratics by	Factorise the quadratic in the usual way. Solve $= 0$	Solve $x^2 + 3x - 10 = 0$	0	
			(a = 1)	Make sure the equation = 0 before	x = -5  or  x = 2	0	

factorising.

### Unit 3 – Solving Equations

Торіс	Video	Resource
Solving linear equations	Watch this	<u>Complete this</u> <u>Check your work</u>
Forming and Solving Equations	Watch this	<u>Complete this</u> <u>Check your work</u>
Changing the subject	Watch this	<u>Complete this</u> <u>Check your work</u>
**Solving quadratic equations	Watch this	<u>Complete this</u> <u>Check your work</u>
Simultaneous Equations	Watch this	<u>Complete this</u> <u>Check your work</u>
**Factorising harder quadratics	Watch this	<u>Complete this</u> <u>Check your work</u>
**Harder changing the subject	Watch this	Complete this Check your work

\*\*Extension tasks

![](_page_36_Figure_4.jpeg)

![](_page_36_Figure_5.jpeg)

### **Simultaneous Equations**

![](_page_36_Figure_7.jpeg)

### Half Term 1: Tier 3 Vocabulary

#	Key word	Definition	Notes:
1	Standard Form	A system of writing very big or very small numbers	
2	Square Number	The result of multiplying an integer by itself	
3	Cube Number	The result of multiplying an integer by itself twice. $3 \times 3 \times 3$	
4	Indices	An index, or power, is the small floating number that appears after a number or letter. Indices show how many times a number or letter has been multiplied by itself.	
5	Surds	The values in square root that cannot be further simplified into whole numbers or integers. Surds are irrational numbers	
6	Rational	A number which can be expressed in the Form a/b , where a and b are integers	
7	Quadratic	An expression where the highest exponent of the variable (usually "x") is a square $(^{2})$ .	
8	Factorise	Finding what to multiply to get an expression, the reverse of expanding a bracket.	
9	Solve	To find the value of the unknown in an equation	
10	Simultaneous Equations	To solve and find solutions that satisfy both equations.	

# Knowledge Goals: Music

#### Reggae Music Why is Reggae Music so important?

Reggae Music developed mainly as a mixture of three different styles of Caribbean Music: Mento, Ska and Rock Steady. Reggae music began to address social issues, and the lyrics typically deal with poverty and political issues. Reggae music has always been strongly linked to the Rastafarian religion, making the music culturally important. By far the most famous and influential Reggae artist is Bob Marley (1945-1981). Typical of Reggae, most of his songs deal with more light-hearted subjects such as religion, love, peace, poverty, anti-racism and political issues.

### **Bob Marley**

Robert 'Nesta' Marley was born to a Jamaican mother and a British father. He grew up in a village in Jamaica and did not let culture influence his upbringing, believing he was on 'God's side' (rather than his Mum or Dad's heritage. After forming a band called 'The Wailers', Bob went on to write many famous songs, as well as a deeply spiritual person. Bob used the lyrics of his songs to fight for peace and a release from poverty.

![](_page_38_Picture_5.jpeg)

### **Great Composers**

Bob Marley Buffalo Soldier

Toots and the Mayals Pressure Drop

Desmond Dekker The Israelites

#### Wider Listening

Explore the 'Two-Tone' movement of the 1980s with bands such as 'The Specials' and 'Madness'

### Chords

A chord is where two or more notes are played at the same time. The most common type of chord is a triad and the easiest way to create a triad is:

![](_page_38_Figure_14.jpeg)

Play one, miss one, play one, miss one, play one

Common triads include major and minor, where major feels happy and bright, and minor feels slightly sad

### **Off-Beat Rhythm**

The weaker beats of the bar. An offbeat rhythm will stress these beats instead of stronger ones. In a song with 4 beats in a bar, this is beats 2 and 4

### Key Features of Reggae

High-tuned snare intro Lyrics that talk about politics and love A simple verse chorus structure Pop music instruments including guitar, bass, drums, and a trumpet, trombone and sax

## Knowledge Goals: Music

		Notes:	
#	Key word	Definition	
1	Offbeat	Weaker beats of the bar. An offbeat rhythm will stress these beats instead of stronger ones	
2	Syncopation	Similar to an offbeat rhythm, syncopation focuses on stressing the weaker beats of the bar	
3	Riff	A short, catchy repetitive idea or motif	
4	Primary Triads	The stronger chords in music. They are the first, fourth and fifth triads in the key. In C, for example, they are the triads of C, F and G	
5	Rastafarianism	The religious and political movement from Jamaica that promotes equality, peace and love	
6	Mento and Ska	Styles of Music from Jamaica that influenced the development of Reggae	

# Knowledge Goals: PRE Ethics

### How do we make moral decisions?

Are you an absolute or relative moralist? Are somethings always wrong or does it depend upon the situation? Should you always tell the truth? In this unit we will examine different ethical theories and ways of making moral decisions.

![](_page_40_Picture_3.jpeg)

![](_page_40_Picture_4.jpeg)

Find out more! Take this online lesson

![](_page_40_Picture_6.jpeg)

### **Genetic Engineering**

Is it right to create a child with specific genetic makeup to save another? We explore the issue of saviour siblings and examine the arguments for and against the use of genetic engineering to eradicate hereditary conditions.

![](_page_40_Picture_9.jpeg)

Discover a range of different views

![](_page_40_Picture_11.jpeg)

![](_page_40_Picture_12.jpeg)

### What are the rights and wrongs of abortion?

There are powerful arguments for and against abortion. People with different beliefs may agree with many of these arguments.

÷Ō.

Many religious believers are likely to have great sympathy with the argument that a person should be able to decide what happens to their own body. Yet for them the idea that life is sacred may outweigh other arguments, however good.

•Pro-life - some Christians, including many Roman Catholics, say that abortion is morally wrong because of their belief that human life begins at conception. They may make an exception if an abortion is essential in order to save the life of the mother (the principle of double effect), assuming all efforts have been made to save the foetus.

•Pro-choice - it is up to the woman to decide whether it is right for her to have an abortion because it is her body. Some Christians believe that a woman has a right to a safe abortion, and that it shows compassion if the law allows this.

![](_page_40_Picture_19.jpeg)

### Find out

![](_page_40_Picture_21.jpeg)

## Knowledge Goals: PRE Ethics

#	Key word	Definition	Notes:
1	Ethics	What is regarded as right or wrong	
2	Morality	A set of standards that you or your community regard as good or bad.	
3	Absolute morality	The action is always right or wrong whatever the circumstances e.g. lying is always wrong	
4	Relative morality	You weigh up whether the action is right or wrong depending upon the situation or circumstances. E.g. lying is generally wrong, but if you lie to save someone's life, is that okay?	
5	Values	A judgement of what you see as important	
6	Deontology	Actions are either right or wrong. You should do what is 'right' regardless of the consequences	
7	Utilitarianism	Act in order to create 'the greatest happiness for the greatest number of people'	
8	Consequentialis m	An action is either right or wrong totally depending upon its consequences	
9	Capital punishment	In some countries the legally authorised killing of someone as punishment for a crime. Also known as the death peanlty.	
10	Death row inmate	A prisoner who is sentenced to death and awaiting execution. This can be for many years.	

### Knowledge Goals: Spanish

¿Dónde vives? Vivo en el norte/noroeste/noroeste sur/sureste/suroeste	Where do you live? I live in the north/northeast/northwest south/southeast/southwest	este/oeste/centro de Inglaterra/Escocia de Gales/Irlanda (del Norte)	east/west/centre of England/Scotland of Wales/(Northern) Ireland
¿Qué haces en verano? En verano/invierno chateo en la red cocino para mi familia descargo canciones escribo correos hago natación/esqui/windsurf hago una barbacoa juego al baloncesto/fútbol	What do you do in summer? In summer/winter I chat online I cook for my family I download songs I write emails I go swimming/skiing/windsurfing I have a barbecue I play basketball/football	monto a caballo/en bici nado en el mar salgo con mis amigos/as toco la guitarra trabajo como voluntario/a veo la tele voy al polideportivo/al parque/ a un centro comercial voy de paseo	I go horseriding/cycling I swim in the sea I go out with my friends I play the guitar I work as a volunteer I watch TV I go to the sports centre/to the park/ to a shopping centre I go for a walk
¿Con qué frecuencia? siempre a menudo todos los días a veces	How often? always often every day sometimes	de vez en cuando una vez a la semana dos o tres veces al año (casi) nunca	from time to time once a week two or three times a year (almost) never
<b>¿Qué tiempo hace?</b> Hace buen/mal tiempo. Hace calor/frío/sol/viento. Llueve/Nieva. El tiempo es variable.	What's the weather like? It's good/bad weather. It's hot/cold/sunny/windy. It's raining/snowing. The weather is changeable.	El clima es caluroso/soleado. Hay niebla/tormenta. Hay chubascos. Está nublado.	The climate is hot/sunny. It's foggy/stormy. There are showers. It's cloudy.
¿Qué te gusta hacer? Soy adicto/a a ya que/dado que/puesto que Prefiero Me gusta Me encanta/Me mola/Me chifla/ Me flipa/Me apasiona No me gusta (nada) Odio A (mi padre) le gusta Nos encanta bucear estar al aire libre	What do you like doing? I'm addicted to given that/since I prefer I like I don't like (at all) I hate (My dad) likes We love diving being outdoors	estar en contacto con los amigos hacer artes marciales hacer deportes acuáticos ir al cine/a la pista de hielo ir de compras leer (un montón de revistas) usar el ordenador ver películas Prefiero veranear en el extranjero/en España en la costa/en el campo en la montaña/en la ciudad	being in touch with friends doing martial arts doing water sports going to the cinema/ice rink going shopping reading (loads of magazines) using the computer watching films 1 prefer to spend the summer abroadin Spain on the coast/in the country in the mountains/in the city
¿Adónde fuiste de vacaciones? hace una semana/un mes/un año hace dos semanas/meses/años fui de vacaciones a Francia/Italia/Turquía ¿Con quién fuiste? Fui con mi familia/insti	Where did you go on holiday? a week/month/year ago two weeks/months/years ago lwent on holiday to France/Italy/Turkey Who did you go with? I went with my family/school	con mi mejor amigo/a solo/a ¿Cómo viajaste? Viajé en autocar/avión en barco/coche/tren	with my best friend alone How did you travel? I travelled by coach/plane by boat/car/train
¿Qué hiciste? primero luego más tarde después finalmente Lo mejor fue cuando Lo peor fue cuando aprendí a hacer vela comí muchos helados compré recuerdos descansé fui al acuario hice turismo	What did you do? first then later after finally The best thing was when The worst thing was when I learned to sail I ate lots of ice creams I bought souvenirs I rested I went to the aquarium I went sightseeing	llegué tarde al aeropuerto perdí mi móvil saqué fotos tomé el sol tuve un accidente en la playa vi un partido visité el Park Güell vomité en una montaña rusa Puedes descubrir el Museo Picasso disfrutar del Barrio Gótico pasear por las Ramblas subir al Monumento a Colón ver los barcos en el puerto	I arrived at the airport late I look photos I sunbathed I had an accident on the beach I saw atched a match I visited Park Güell I was sick on a roller coaster You can discover the Picasso Museum enjoy the gothic quarter walk along Las Ramblas go up the Columbus Monument see the boats in the port
¿Qué tal lo pasaste? Me gustó/Me encantó. Lo pasé bomba/fenomenal. Lo pasé bien/mal/fatal. Fue inolvidable/increible impresionante/flipante horroroso	How was it? I liked it/l loved it. I had a great time. I had a good/bad/awful time. It was unforgettable/incredible impressive/awesome awful	un desastre ¿Qué tiempo hizo? Hizo buen/mal tiempo. Hizo calor/frio/sol/viento. Hubo niebla/tormenta. Llovió/Nevó.	a disaster What was the weather like? It was good/bad weather. It was hot/cold/sunny/windy. It was foggy/stormy. It rained/snowed.

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## Knowledge Goals: Spanish

### Half Term 1: Tier 3 Vocabulary

1	SSC	Symbol-Sound Correspondence: the sound that letters	
•	000	or combination of letters make in a language	Notes:
2	cognate	A cognate is a word which looks the same or very similar to a word in English. E.g.: le cinéma, le football	
3	connective	A word which links sentences together. E.g.: and, but	
4	Opinion verb/ phrase	A verb or a phrase which you use to give an opinion: I like, I dislike, in my opinion etc	
5	Justifier	A way of giving a reason, a justification of an opinion. I like because it is	
6	qualifier	A word which changes the intensity of an adjective: quite, very, extremely	
7	adjective	A describing word: big, small, green, interesting, amusing etc	
8	Time phrase	A phrase used to say when something is happening: normally, on Mondays, yesterday, next weekend	
9	Tenses	Past, present, future, conditional	
10	Infinitive	A verb as you find it in the dictionary: to play, to eat. This is the form of the verb when it is not used with a pronoun (I, he, she)	

![](_page_44_Figure_1.jpeg)

![](_page_45_Figure_1.jpeg)

![](_page_46_Figure_1.jpeg)

![](_page_47_Figure_1.jpeg)